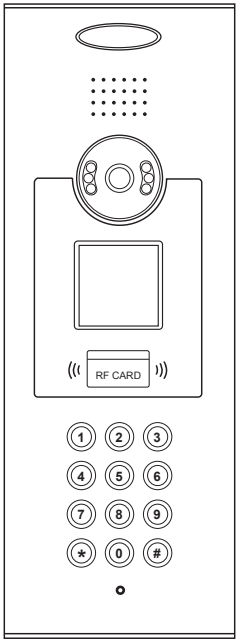
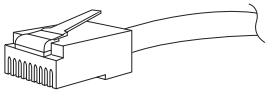
Intelligent Home®

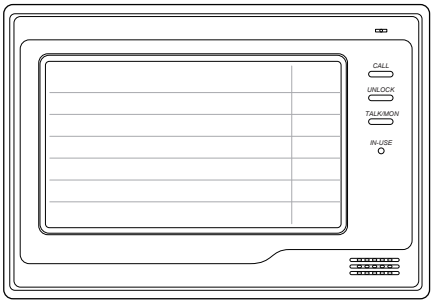
Video Door Entry System

user manual





Use Cat-5 Network Cable



This manual covers **MR9L** and **MR9L/ID** Door station

PRECAUTIONS

- Read this manual through before using the product.
- Slots or openings in the back of the monitor, are provided for ventilation and to ensure reliable operation of the video monitor or equipment and to protect if from overheating. These openings must not be blocked or covered. The monitor should never be placed near or over a radiator or heat register and should not be placed in a built-in installation such as a bookcase unless proper ventilation is provided.
- All parts should be protected from violence vibration. And not allow be impacting, knocking and dropping.
- For clean the LCD screen, using hands or wet cloth is forbidden.
- Please do the cleanness with soft cotton cloth, please do not use the organic or chemical clean impregnate. If necessary, please use pure water or dilute soap water to clean the dust.
- Image distortion may occur if the video door phone is mounted too close to magnetic field e. g. Microwaves, TV, computer etc.
- Please keep away the video door monitor from wet, high temperature, dust, and caustic and oxidation gas in order to avoid any unpredictable damage.
- Do NOT open the device in any condition, call the administrator for help if there is any problem or mulfunction happens.

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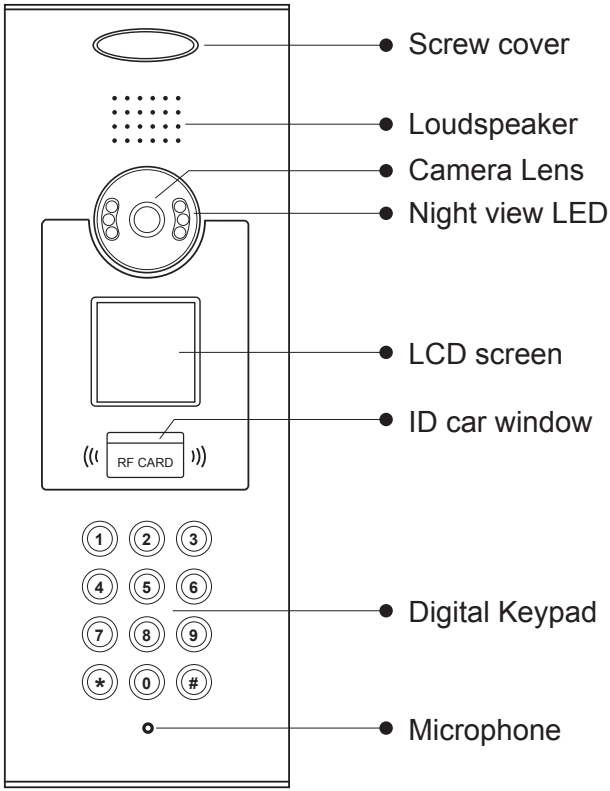
1. Door station



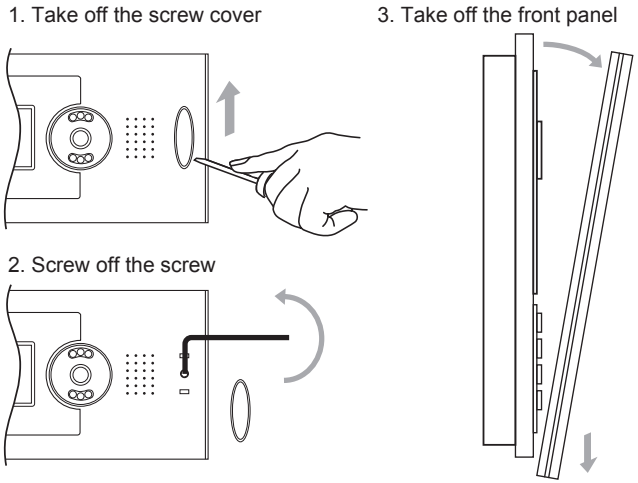
1.1 Calling and Unlock Operation

The MR9L Door station is a digital station with 128*128 pixels LCD screen, color CCD camera, night view LED, and digital keypad.

Visitors can call the apartment by dial the Flat Code (apartment number) on the keypad. If they don't know the Flat Code (apartment number), they can search the name list on the screen. If the door station is in standby, visitors need to press '9#' to display the user name list. Then, using the '8' / '0' key scroll next/last page. Finally, use the 1 to 7 key to call the desired flat.

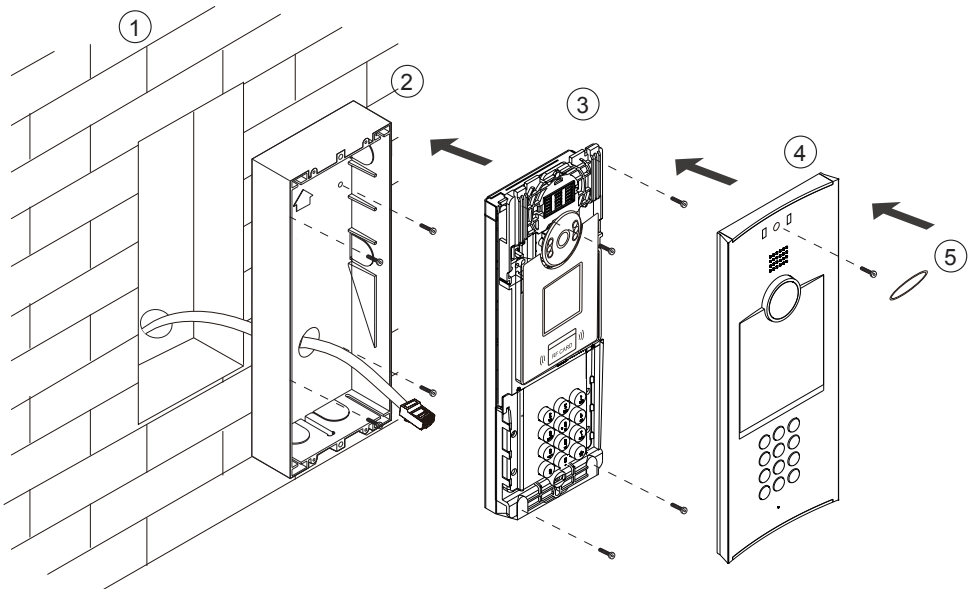
Residents can open the door using their unique Unlock Code (four-digit PIN code). If the door station is in standby mode, press '#' key, then input the four-digit PIN to open the door.

1.2 Open the Front Panel:



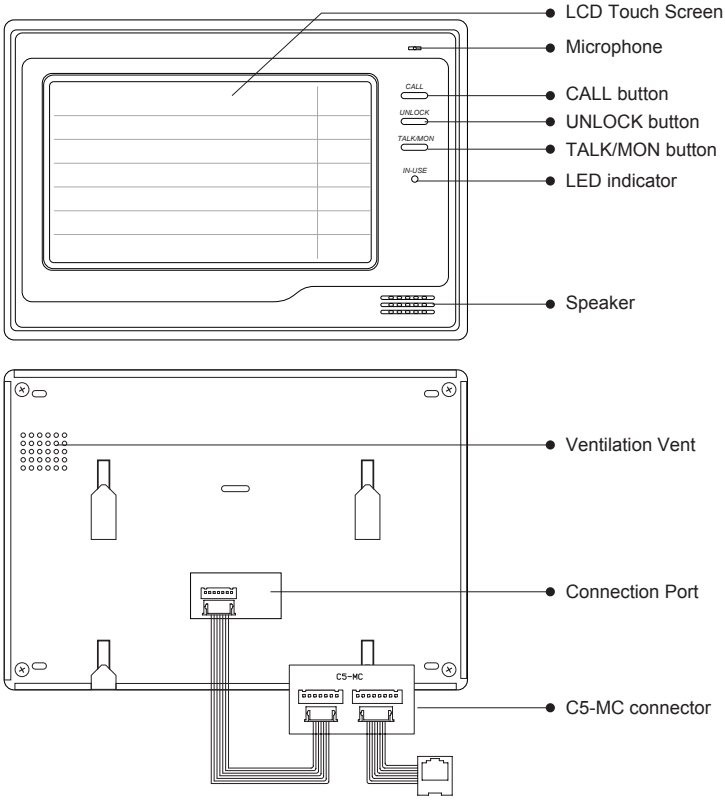
1.3 Mount the Door station:

1. Cut a hole on the wall with the size of 345(H)*115(W)*38(D)mm, and wire the cable.
2. Put the mounting box into the hole and fix it with screws.
3. Connect all the cables, and then fix the Door station body into the mounting box.
4. Fix the front panel on the Door station body.
5. Put back the screw cover on the top of the front panel.

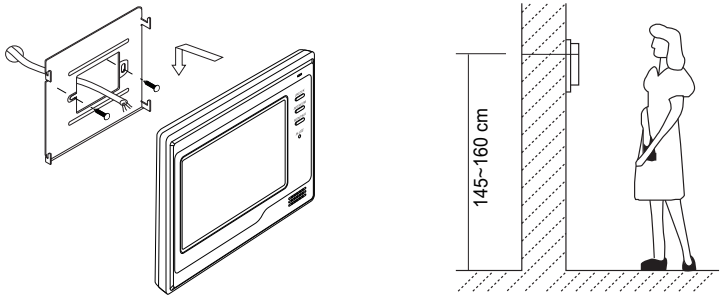


2. Indoor Monitor

2.1 Parts and Functions



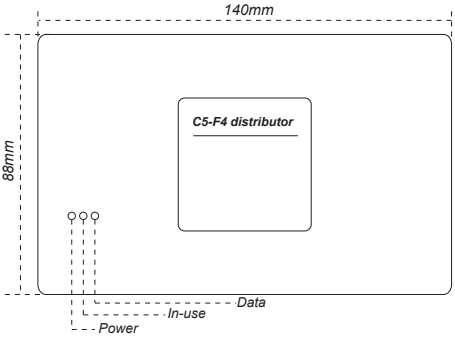
2.2 Monitor Mounting

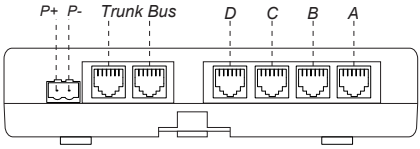


Wire the system correctly (see Connection chapter) then hang the Monitor on the Mounting Bracket firmly.

3. Distributor

The Distributor is used to connect Monitors to the bus line. One Distributor can connect 4 Monitors. There are two mounting measures: bar mounting or dirrect wall mounting.

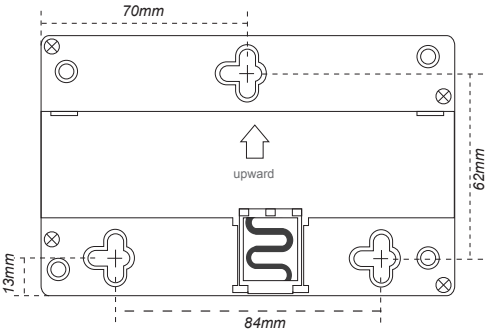


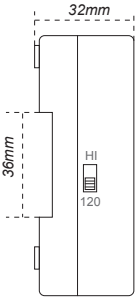


A/B/C/D port: Connect to Monitors

Trunk Bus: Bus cable input/output. Connect to last C5-F4(or doorstation), and connect to next C5-F4

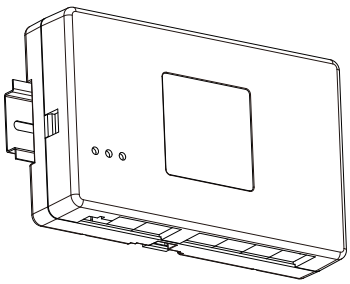
P-: Power negative input. (Ground)
P+: Power positive input. (15~18V DC)



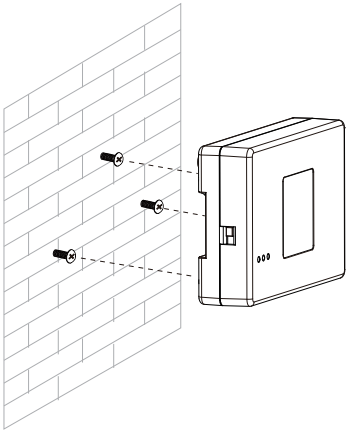


set to 120 for the last C5-F4 on the building, the others must be set to HI.

Bar mounting:



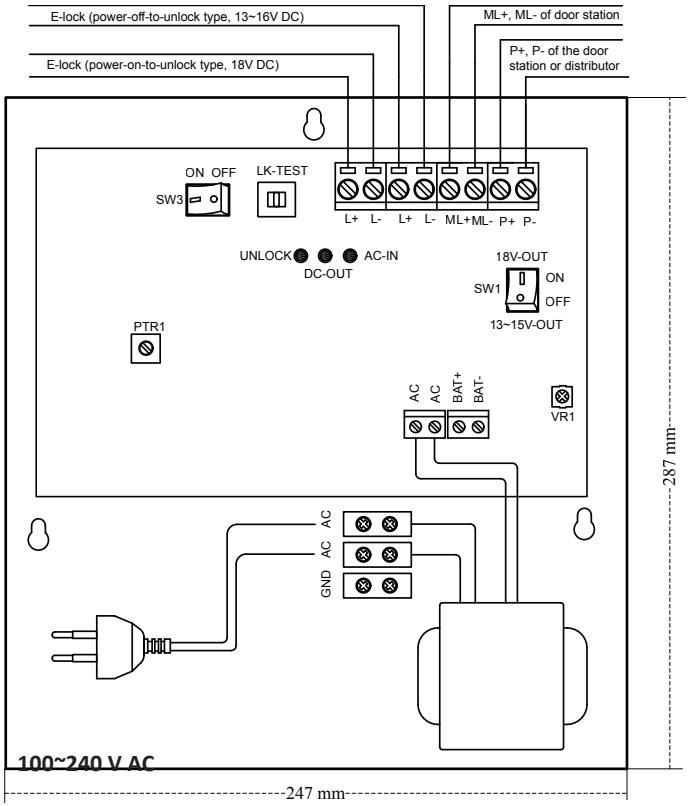
Dirrect wall mounting:



4. Power Supply

The system uses a PS-2 power supply. It provides the power for the door station, distributors, monitors and electric lock.

The maximum numbers of monitors it can support is twenty. If there are more than twenty monitors in the system an additional power supply is needed. Each extra twenty monitors will require an additional PS-2 power supply .



Cables and distance:

Power supply cable: RVVP 2*1.0 mm^2

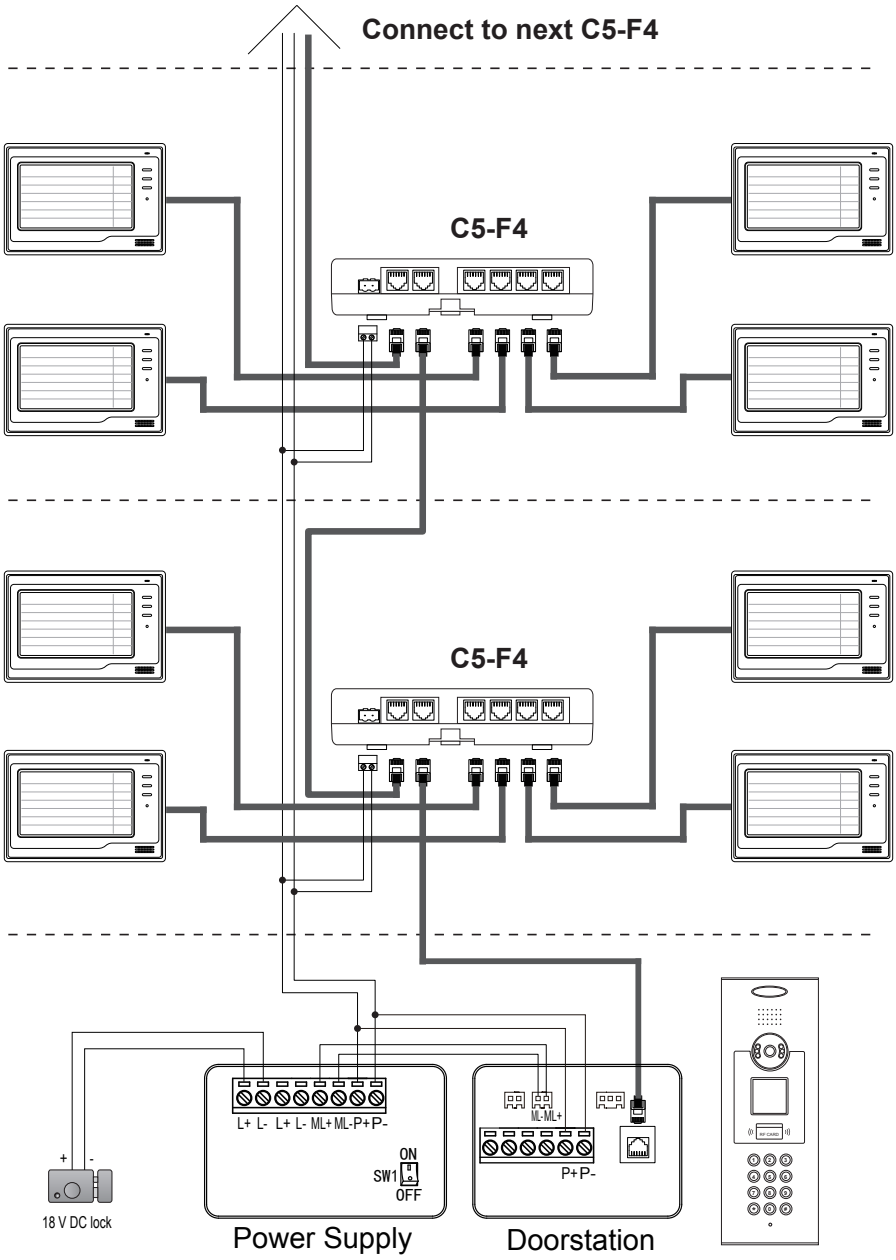
Distance: from Door station to the last distributor: 600 m Max.

Data Cable: Catalogue-5 cable, 0.5 mm^2 or bigger

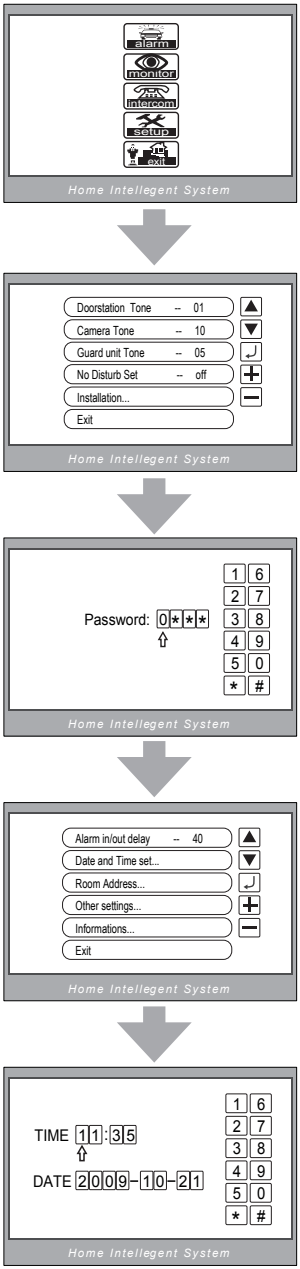
Distance: from Door station to the last Distributor: 200m Max.

from Distributor to Monitor: 30m Max.

5. System Connection



6. Flat Code and Time Setting



Every Monitor must be set to a Flat Code, so that the Door station can identify the Monitor. For example, if a Monitor is set to a code 0101, when the visitor press 0101 on the Door station, only the Monitor with the code 0101 will ring.

1. Power the monitor. Enter into the Main --> setup --> installation --> (input password: 2412) to open the configuration page.

2. Select and enter Flat Address... item to modify the flat code.

3. On the installation screen, select *Date and Time Set* item to enter the time setting page, use the touch screen to input the correct Time and Date.

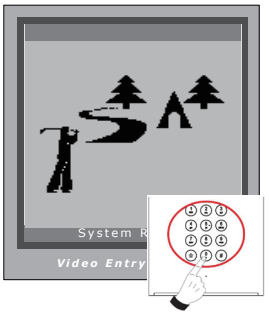
7. Door station Configurations

7.1 About Flat code

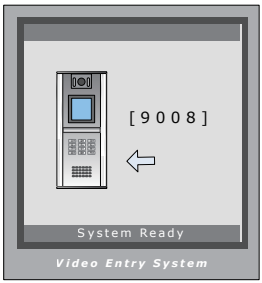
The Flat Code (also called monitor address) is a unique code assigned to each monitor, to identify different monitors; each monitor has a unique flat code.

7.2 About Debug Mode

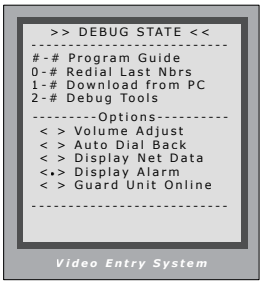
All settings can be changed by going into the Debug Mode.



When Door Station is in standby, press '#' key



input '9008', then input the Admin Code.(66666666 by default)

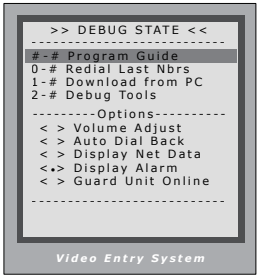


Debug State menu is now launched

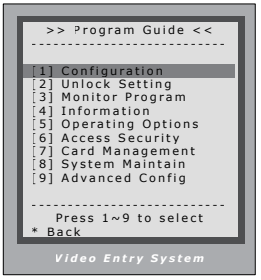
When the screen is Debug State, press '#9009' to exit.

7.3 About Default Set

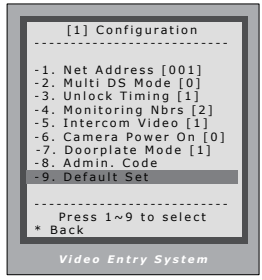
When the settings of the door station are significantly wrong, the quickest way to solve the problem is to revert back to the default settings.



In Debug State, press '#' key twice



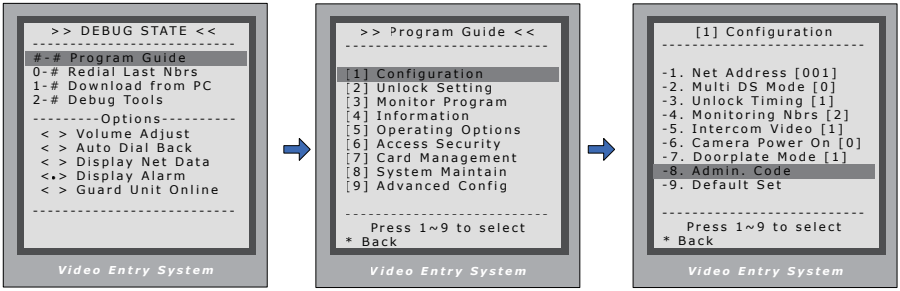
In Program Guide, press '1' key



press '9' key, then input Admin Code and'#'to confirm

7.4 Change Admin Code (administrator password)

The Admin Code is the password to access the door station Debug Mode. The default Admin Code is '66666666'. Note that if the Default Set has been applied, the Admin Code will also be set to default.

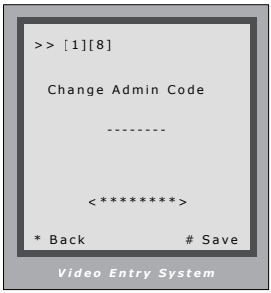


In Debug State, press '#' key twice

press '1'

press '8'

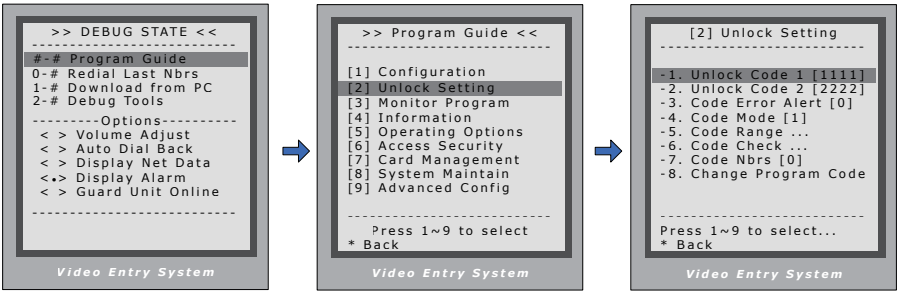
Input the new Admin Code and then press '#'key to confirm



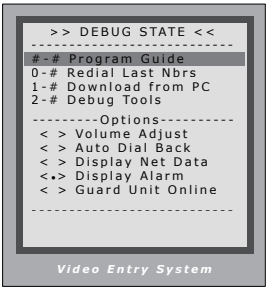
7.5 Change Unlock Code (door open password)

There are two Unlock Codes which can be used. The user can use either one of them to open the door. They are '1111' and '2222' by default.

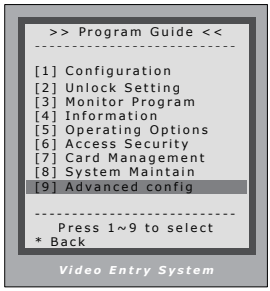
On the Debug State, press [# #] to get into the Program Guide, press[2] to open the Unlock Setting menu, then enter[1] or [2] to change the Unlock Code. as shown below:



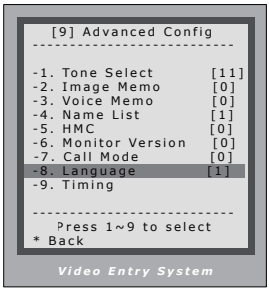
7.6 Change Door station language



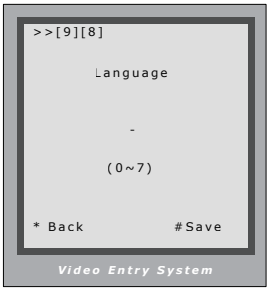
In Debug State, press '#' key twice



press '9'



press '8'



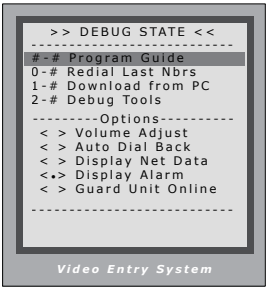
Input the number for each language according to the language table, press '#' to confirm.

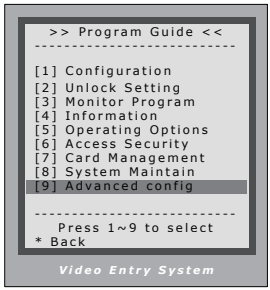
There are 8 operating languages can be selected:

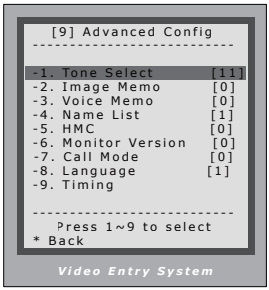
0. Chinese	**4. Spanish**
1. English	**5. German**
2. French	**6. Italian**
3. Portuguese	**7. Dutch**

7.7 Change Ringtone

There are 15 different ringtones, as shown below:

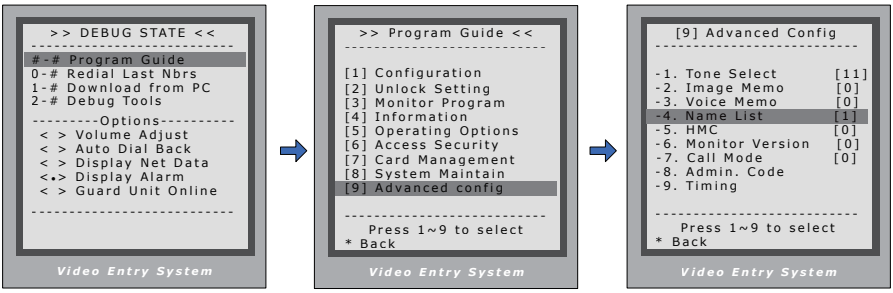




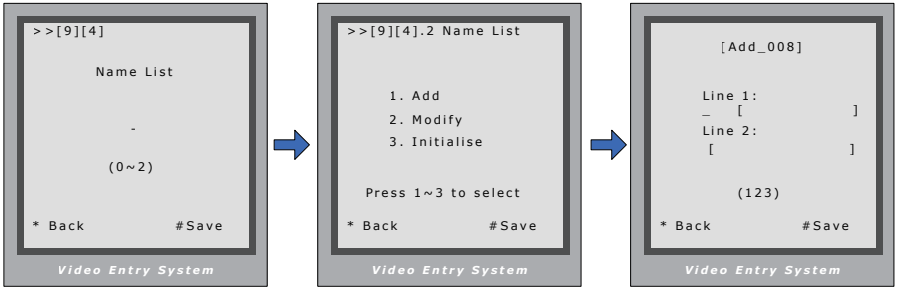


7.8 Name List function

The name list can be edited by using the digital keypad of the door station. The input method is similar to mobile phones. By default the name list function is ON.



To use the namelist function, the Name List item must be set to '1'(enable), which is default.



Press '2#' to enter

Press '1' to add new names, press '2' to modify the existing names, press '3' to initialise to default.

Flat code and Name input page.

The first 4 digits are for the Flat Code input (the address of the flat). After 4 digits have been input, it will switch to Line 1 and the input mode will switch to ABC input mode automatically. Line 2 is for the names that are too long for one line. After the name has been input, press '#' to save.

Button 1: Switch the letter between capitalization and lowercase.

Button 2: A, B, C, (a, b, c)

Button 3: D, E, F, (d, e, f)

Button 4: G, H, I, (g, h, i)

Button 5: J, K, L, (j, k, l)

Button 6: M, N, O, (m, n, o)

Button 7: P, Q, R, S, (p, q, r, s)

Button 8: T, U, V, (t, u, v)

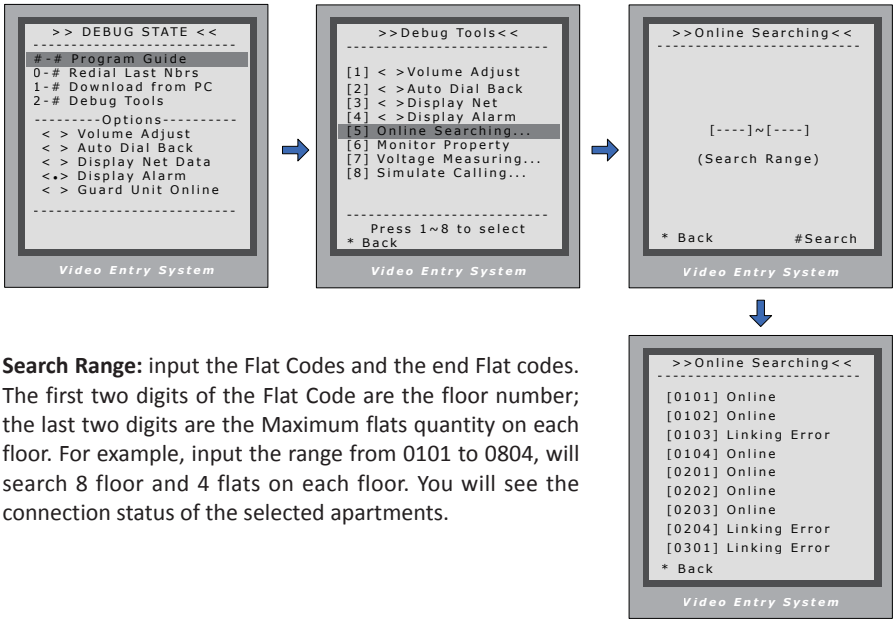
Button 9: W, X, Y, Z, (w, x, y, z)

Button * : Cancel

Button 0: Space blank, İ, Ş, Ç, Ü, Ğ, Ö

7.9 Using software

“Online Search” is a very useful function that can help the installer to easily check the connectivity of all the Monitors. Please note, Online does not mean via the internet. In Debug Mode, press [2 #] to get into the Debug Tools, press [5] to open the “Online Search” menu, as shown below:



Search Range: input the Flat Codes and the end Flat codes. The first two digits of the Flat Code are the floor number; the last two digits are the Maximum flats quantity on each floor. For example, input the range from 0101 to 0804, will search 8 floor and 4 flats on each floor. You will see the connection status of the selected apartments.

8. Key Fob Settings (only for MR9L/ID)

This chapter explains how to configure the key fob function on MR9L/ID. Please note: for the Door station without the Key Fob function (the MR9L), keep the settings by default.

The key fob is used to open the lock. Total 500 key fobs can be registered with one Door station. When swiping the fob on the fob reader on the Door station, the distance must be less than 3 millimetres.

Key Fobs must be registered on the Door station. Only then can fobs be recognised and open the door.

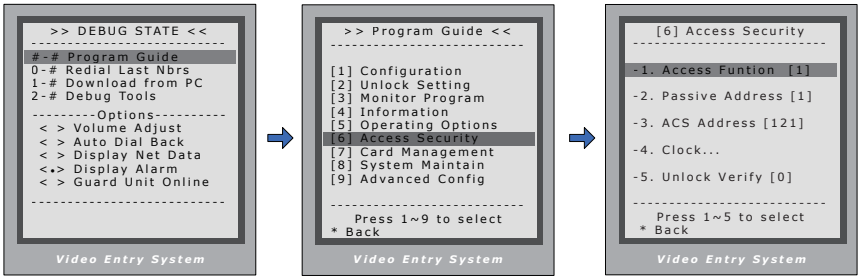
To use the key fobs:

1. Enable the ID card/key fob function;

2. Register the Fobs.

8.1 Enable the ID card/key fob function

When the Door station is in standby, press [**#**] --> [**9008**] -->Password([**66666666** by default]) to get into the Debug Mode Menu, as shown below.



Press [**# #**] --> [**1**] -->[**1**] to get into the Access Function page and set the value to **1**, the function is now enabled.

Note: the *4. Clock...* item is for time setting (which will display on the top of standby welcome screen, clock function is only available for MR9L/ID).

8.2 Register the Key Fobs

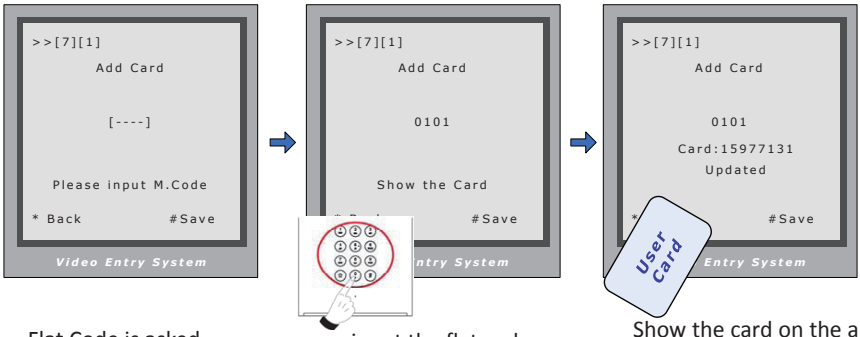
All the registered key fobs are called User Cards/User Key Fobs. New fobs/cards need to be registered one by one to the Door station to become a User Card/User Key Fob; and every User Card/User Key Fob is related to a certain Monitor Address (Flat code).

Registered User Cards/Key Fobs can be deleted from the Door station and once unregistered will not open the door anymore. They can also be re-registered again to become a valid User Card/User Key Fob. There are two ways to delete User Cards/User Key Fobs:

1. Delete by card: show the unwanted card(s) when the Door station is in Delete Card Mode

2. Delete by Flat Code: will delete all the registered User Cards related to that Flat Code.

When the Doors tation is standby, press [**#**] --> [**9008**] -->Password([**66666666** by default]) to get into the Debug Mode Menu, then Press [**# #**] --> [**7**] *Card Management* -->[**1**] *Add Card* to get into the Add Card page as shown below.



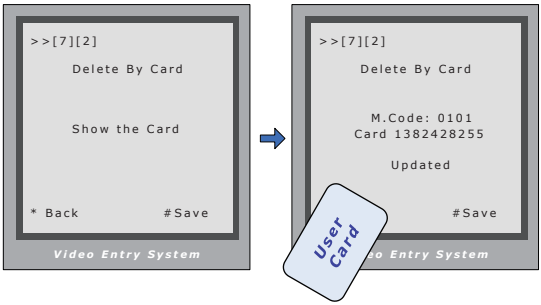
Flat Code is asked.

input the flat code

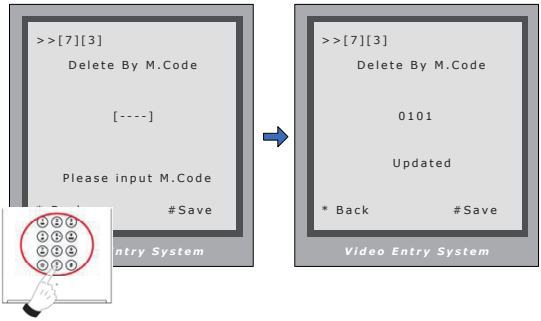
Show the card on the a Updated will show on the screen, then show next card.

8.3 Delete User Cards

Delete by Card/Fob: goto [# #] *Program Guide* -->[7] *Card Management* --> [2] *Delete by Card*, to enter delete by card page, as shown on the right, then show the cards you want to delete one by one.

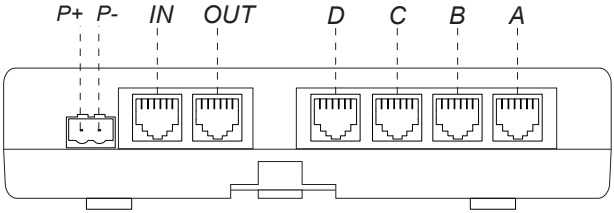


Delete by Flat code: goto [# #] *Program Guide* -->[7] *Card Management* --> [3] *Delete by M.Code*, to enter delete by flat code page, as shown on the right, then input the flat code to which the cards are related, Updated will show on the screen if delete successfully. Note that all registered cards related to the flat code will be deleted.



9. Connect 4 Door stations with C5-MDS(Optional)

The C5-MDS is designed for the C5-800 apartment intercom system, to connect multiple Door stations(Maximum 4)) in one system.



A: input of the 1st doorstation
B: input of the 2nd doorstation
C: input of the 3rd doorstation
D: input of the 4th doorstation or input of the Slave C5-MDS.
OUT: output for the distributor.
IN: reserved.
P-: Power negative input. (Ground)
P+: Power positive input. (16~18V DC)

To connect the C5-MDS, 3 steps must be done:

1. Configure the Multi Door station Mode for each Door station.

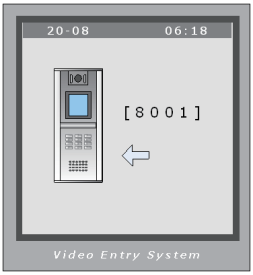
2. Enable the MDS function.

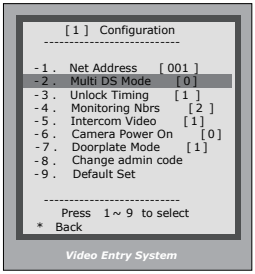
3. Configure the monitoring time for each Door station

9.1 Configure the Multi Door station Mode

When the Door station is standby, press [**#8001**] then input the password [**66666666**], then you will see Configuration menu. Press [**2**] to enter the Multi DS Mode item, then input the number for the Door station and press [**#**] to save the change, then press [*****] to exit.

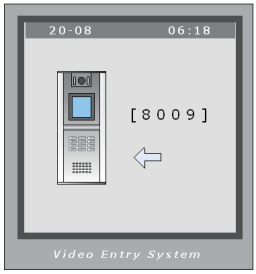
Set to 1 in the first door station, set to 2 in the second door station, set to 3 in the third door station, and so on.

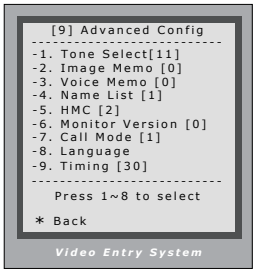




9.2 Enable the MDS function

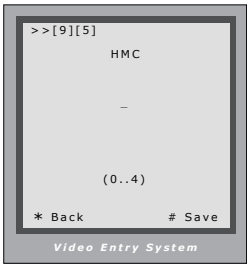
When the Door station is standby, press [***#8009***] on the Door station keypad, then input the password (the default password is [***66666666***]),the Advanced Configuration screen will be displayed. Press [***5***] to enter the Multi DS Mode item, then input [***2***] and press [***#***] to enable the HMC function, and the screen will back to Advanced Config screen.

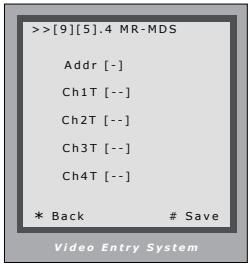




9.3 Configure the monitoring time for each door station

When on the Advanced Config screen, press [***5***] to enter the HMC item, press [***4***] and then press ***[#***] key to enter the MR-MDS screen. The ***Addr*** item is for the C5-MDS setting, if the current Door station is connected to the Master C5-MDS, set the ***Addr*** to [***1***], if the current Door station is connected to the Slave C5-MDS, set the ***Addr*** to [***2***].

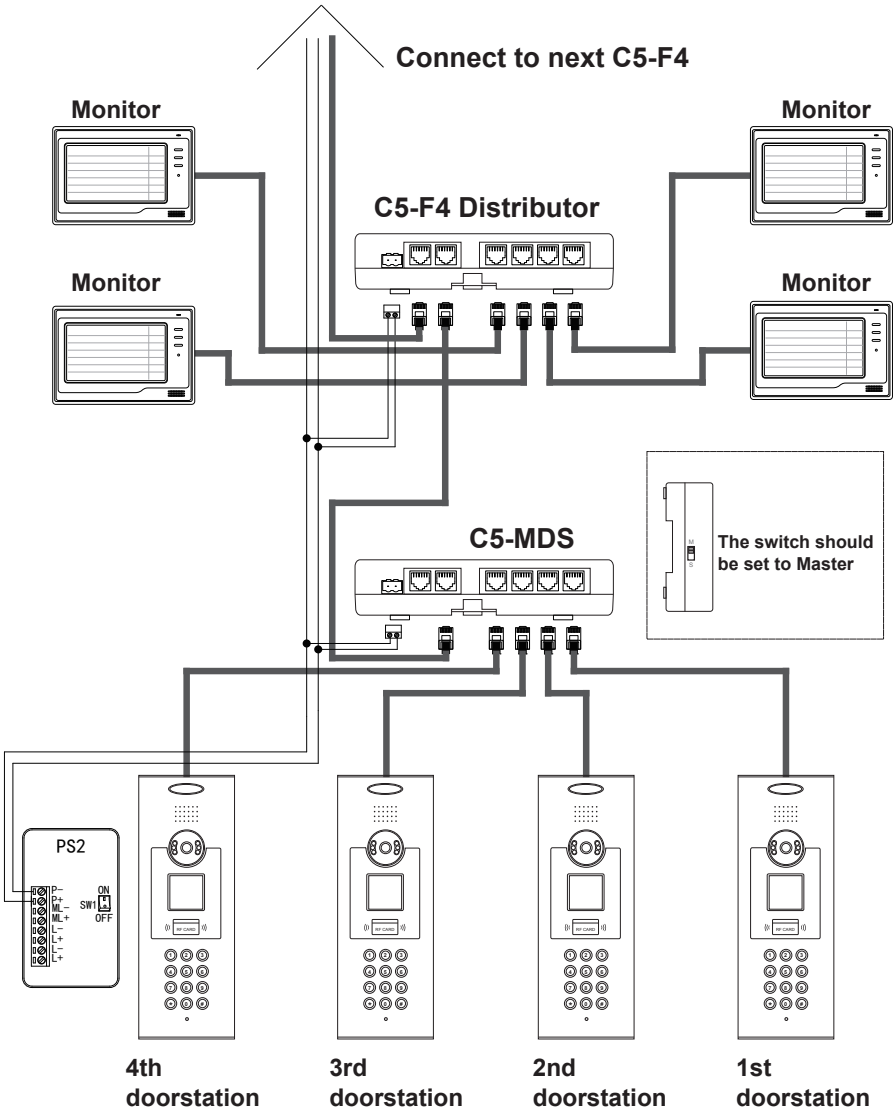




The ***Ch1T***, ***Ch2T***, ***Ch3T*** and ***Ch4T*** is for the monitoring time (seconds)setting for each port. . If less than 4 door stations connected, set to [0] for the ports that are not used.

Note that all the Door stations which are connected to the same C5-MDS should be have the same setting on the HMC item.

9.4 System Connection



10. Specifications

Door station:

- Power supply: DC 15~18V (supplied by PS2)
- Camera Lens: 1/3 inch color CCD
- Power consumption: Standby 0.5W; Working status 15W
- Screen: 128*128 pixels LCD
- Video signal: 1Vp-p, 75Ω, CCIR standard

Distributor:

- Power supply: DC 15~18V (supplied by PS2)
- Power consumption: Standby 0.3W; Working status 3W

Monitor:

- Power supply for indoor monitor: DC 15~18V (supplied by system)
- Power consumption: Standby 0.5W; Working status 15W (for kits)
- Monitor screen: 7 Inch color TFT-LCD
- Display Resolutions: 1440(R, G, B) x 234 pixels
- Video signal: 1Vp-p, 75Ω, CCIR standard
- Wiring: Cat-5 network cable

WARRANTY CARD

NB Please keep this document safe, as it is proof of your Warranty

Your Video door system comes with a one year Manufacturers Warranty. When used normally, the following services are offered:

1. Replacement for malfunctioning parts in first three months
2. Repair free of charge for malfunctioning parts in first year

The following actions will void the Warranty:

1. Damage to the device during installation
2. Damage to the device through misuse
3. Opening and/or disassembling the device
4. Attempting to force the device to perform functions for which it is not intended
5. Attaching the device to power supplies other than thoserecommended by the manufacturer

Distributor for Warranty purposes:

Intelligent Home Online Ltd

62 Hartley Old Road

Purley, Surrey

CR8 4HJ

+44 (0)20 86170015

www.intelligenthomeonline.com

Product:_____

Purchaser Name: _____

Invoice N: _____

Purchase Date_____

Intelligent Home®

MR9L-CAT5-V2 2015-01-12

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www.intelligenthomeonline.com